Inti tal Application No PC1/1B2004/050237

a. CLASSIFICATION OF SUBJECT MATTER IPC 7 H03H7/01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC\ 7\ H03H$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	EP 0 472 319 A (TECHNOPHONE LTD)	1-10
A	26 February 1992 (1992-02-26) column 7, line 35 - line 56; figures 1-6	9,10
X	US 2002/158717 A1 (TONCICH STANLEY S) 31 October 2002 (2002-10-31)	1-8
A	paragraphs '0053!, '0054!, '0153!, '0154!; figures 8a,8b	9,10
X	EP 0 800 224 A (MATSUSHITA ELECTRIC IND CO	1–8
A	LTD) 8 October 1997 (1997-10-08) figure 6	9,10
X	US 4 992 759 A (GIRAUDEAU PATRICK ET AL) 12 February 1991 (1991-02-12) figures 4-8	1-10
	-/	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the international filing date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filing date but later than the priority date claimed	"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 16 June 2004	Date of mailing of the international search report 23/06/2004
Name and malling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL. – 2280 HV Rijswijk	Authorized officer
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Inter at Application No PCT/IB2004/050237

		PC1/1B2004/05023/
	on) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
category • (Citation of document, with indication, where appropriate, or the relevant passages	Heisvail to Claim NO.
(US 2002/118081 A1 (ZHU YONGFEI ET AL) 29 August 2002 (2002-08-29) paragraph '0044!; figures 1,4,8	1-10
(US 4 835 499 A (PICKETT MICHAEL N) 30 May 1989 (1989-05-30) figure 3	1-8
	SHIH-JIH YAO ET AL: "GENERALIZED DUAL-PLANE MULTICOUPLED LINE FILTERS" IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE INC. NEW YORK, US, vol. 41, no. 12, 1 December 1993 (1993-12-01), pages 2182-2189, XP000426133 ISSN: 0018-9480 paragraph '000B!; figure 6	1-10

Inten al Application No
PCT/IB2004/050237

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0472319	A	26-02-1992	GB	2247125 /	A	19-02-1992
			DE	69114216	D1	07-12-1995
			DE	69114216	T2	25-04-1996
			EP	0472319	A1	26-02-1992
			JP	3238167 I	B2	10-12-2001
			JP	6343002	A	13-12-1994
			US	5227748	A	13-07-1993
US 2002158717	A1	31-10-2002	EP	1377994	 A1	07-01-2004
			EΡ	1377839	A1	07-01-2004
			EP	1384285	A1	28-01-2004
			EP	1384312	A1	28-01-2004
			EP	1384286	A1	28-01-2004
			ΕP	1393403	A2	03-03-2004
			EP	1380106		14-01-2004
			EP	1382083		21-01-2004
			EP	1384281		28-01-2004
			WO	02087082		31-10-2002
			WO	02084310		24-10-2002
			MO	02084685		24-10-2002
			MO	02084781		24-10-2002
			WO	02084782		24-10-2002
			WO	02087016		31-10-2002
			WO	02084783		24-10-2002
			WO	02084868		24-10-2002
			WO	02084788		24-10-2002
			WO	02084684		24-10-2002
			WO	02084869		24-10-2002
			MO	02084857		24-10-2002
			WO	02084858		24-10-2002
			WO	02084798		24-10-2002
			MO	02084778 02084686		24-10-2002 24-10-2002
			WO US	-	A1 A1	20-05-2004
			US	2004095211		17-10-2002
			US	2002149428		17-10-2002
			US	2002149428		17-10-2002
			US	2002131273		17-10-2002
			US	2002143333		17-10-2002
			US	2002149439		17-10-2002
			US	2002175863		28-11-2002
			US	2002149443		17-10-2002
			US	2002149434		17-10-2002
			US	2002149526		17-10-2002
			US	2003062971		03-04-2003
			ÜS	2002163475		07-11-2002
			ÜŠ	2002167447		14-11-2002
			US	2002167454		14-11-2002
			US	2002149533		17-10-2002
			US	2002167451		14-11-2002
			US	2004056730		25-03-2004
			US	2002163400		07-11-2002
			US	2002175878	A1	28-11-2002
			US	2002149448		17-10-2002
EP 0800224	A	08-10-1997	JP	9270602		14-10-1997
			CN	1167347		10-12-1997
			EP	0800224		08-10-1997

Inters al Application No
PCT/IB2004/050237

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
EP 0800224	Α		KR SG TW US	268641 B1 54486 A1 463415 B 6072999 A	16-10-2000 16-11-1998 11-11-2001 06-06-2000	
US 4992759	A	12-02-1991	FR DE DE EP JP	2613557 A1 3877235 D1 3877235 T2 0285503 A1 63258101 A	07-10-1988 18-02-1993 06-05-1993 05-10-1988 25-10-1988	
US 2002118081	A1	29-08-2002	AU EP WO	2886502 A 1340285 A1 0241441 A1	27-05-2002 03-09-2003 23-05-2002	
US 4835499	Α	30-05-1989	NONE	,		